



SAMPLE MATERIAL

Isometric Dot Paper for Drawing 3-D Figures

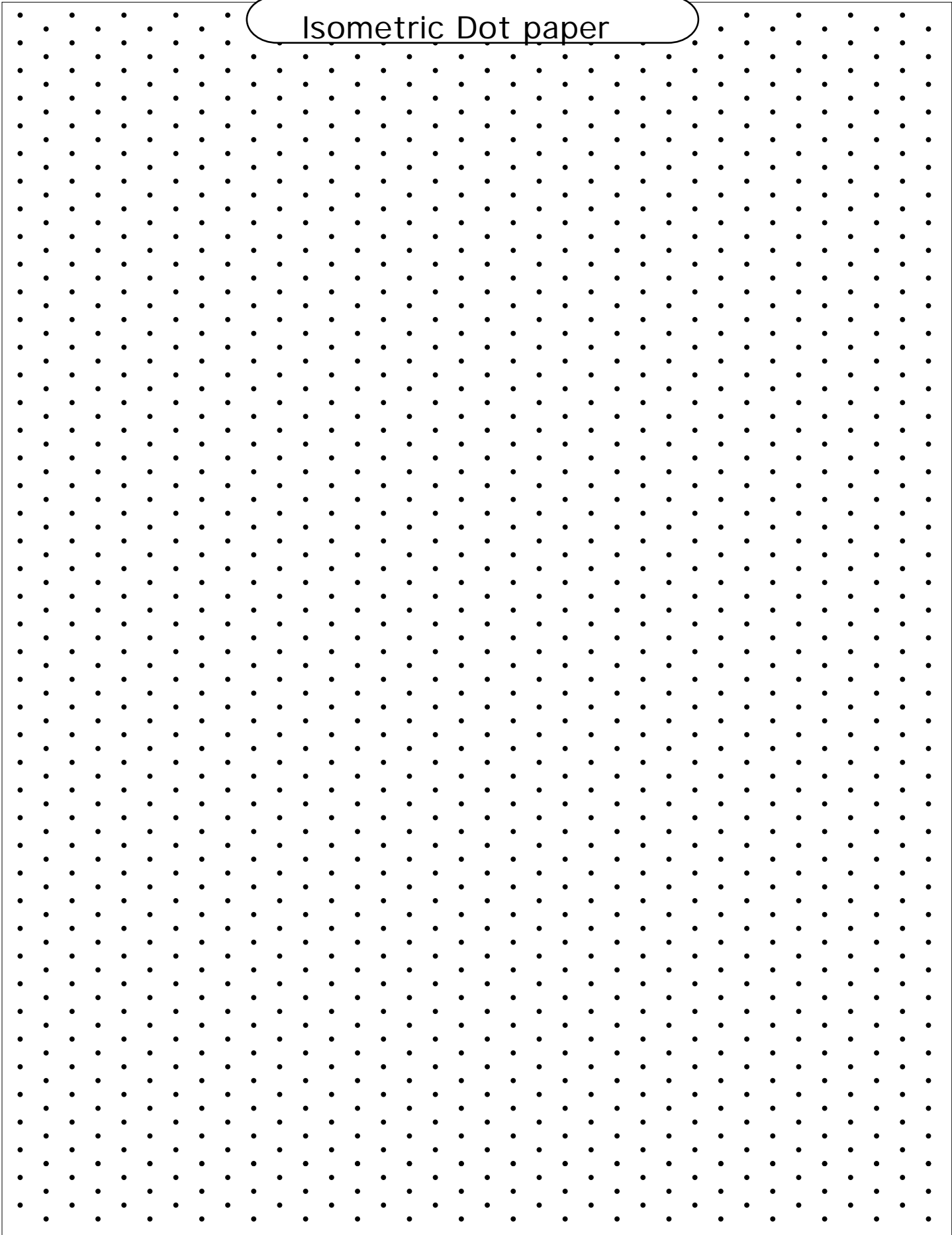
Jeffers High School, Michigan

Topic: Encouraging Girls in Math and Science

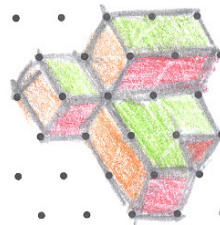
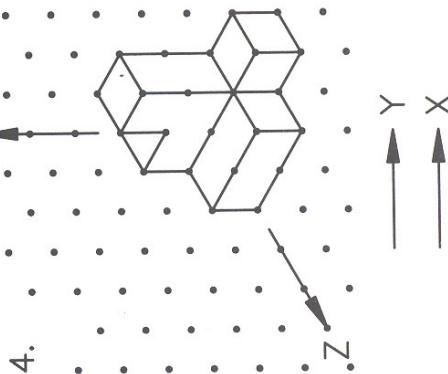
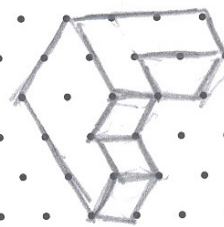
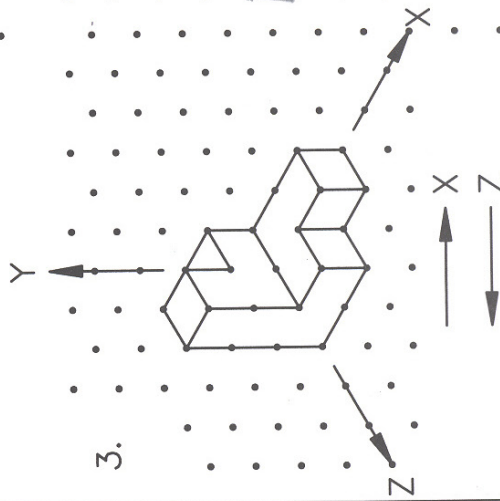
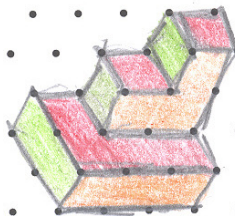
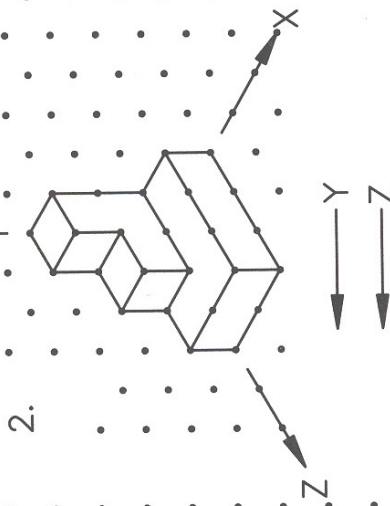
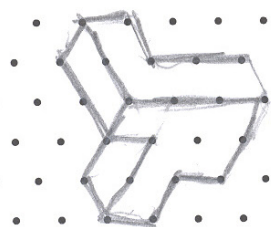
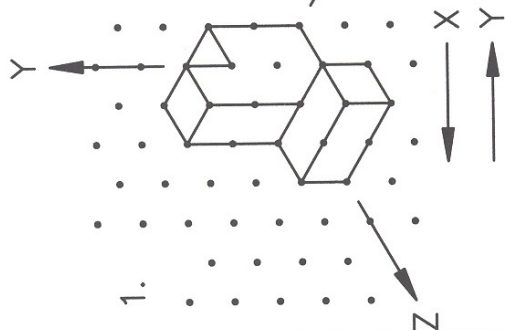
Practice: Teaching Spatial Skills

These sample materials include a blank isometric dot paper to use in the classroom for 3-D figure drawings and samples of student work from Jeffers High School in Michigan. Students used little snap cubes to create a model of a 3-D figure, then used the isometric dot paper to draw how the figures appear after rotation.

Isometric Dot paper



Rotate the objects shown below by the indicated amount. Sketch the result in the space provided. Make sure you perform the rotations in the given order.



Rotate the objects shown below by the indicated amount and sketch the result in the space provided. You do not need to include the coordinate axes in your sketch.

1.

2.

3.

4.

Name: NIKKI VELA

Class: Geometry Section:

Date: 12-20-07

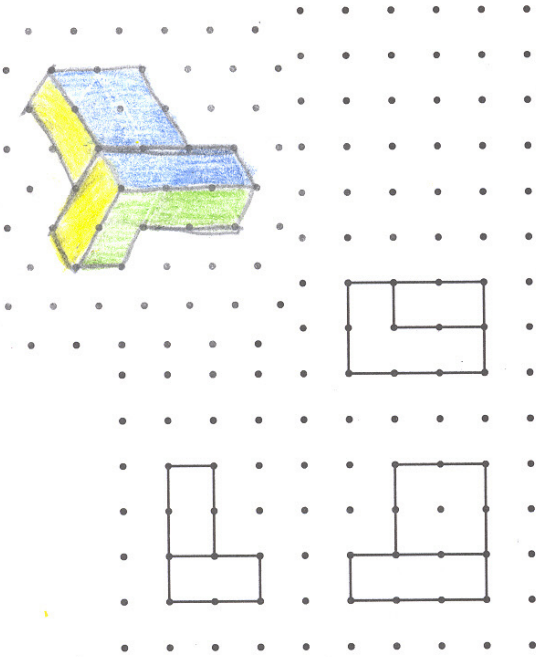
Introduction to 3-D
Spatial Visualization

Grade: 10th

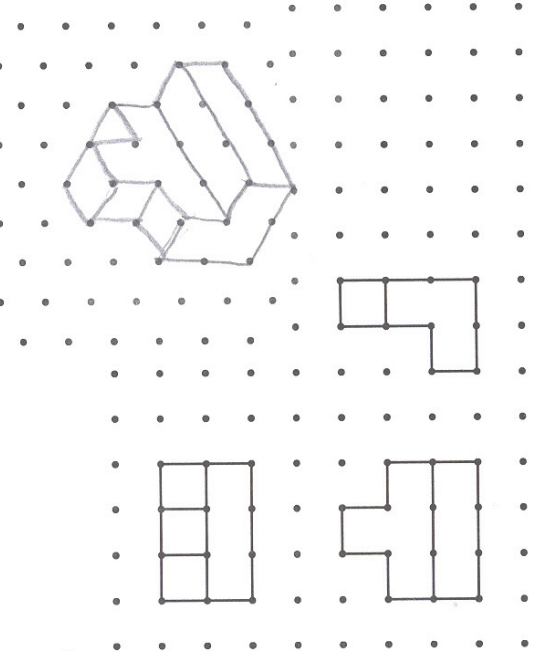
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For the objects shown in orthographic projection below, construct an isometric view in the space provided. Use the box method to assist you if necessary.

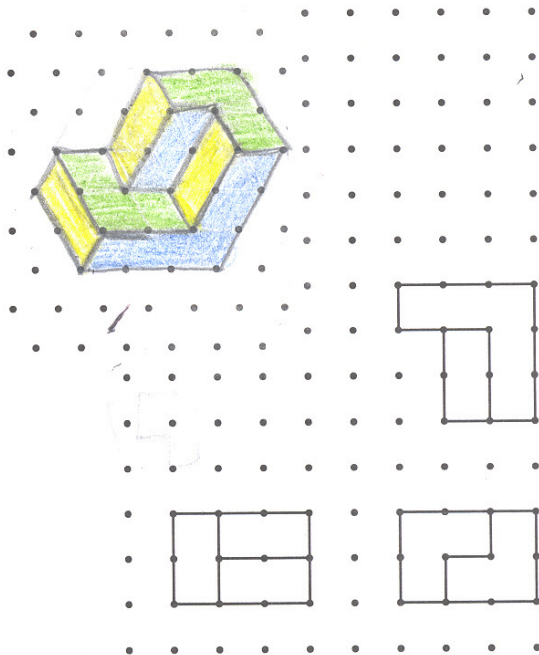
1.



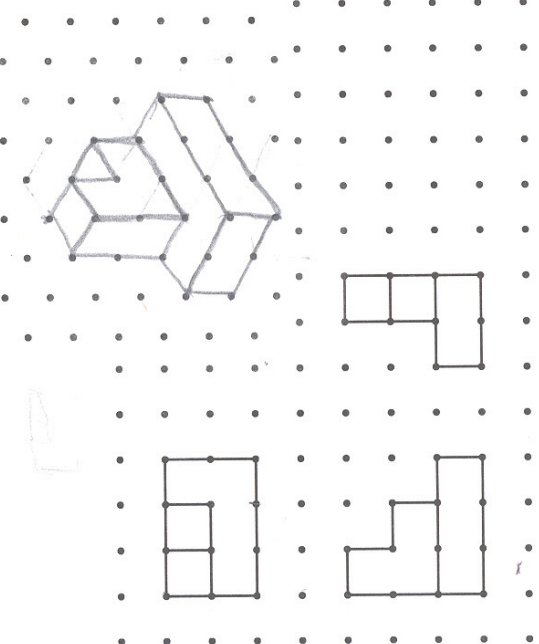
2.



3.



4.



Name:

NIKKI KELG

Class: Geometry

Section:

Date: 12-20-07

Introduction to 3-D
Spatial Visualization

Grade:

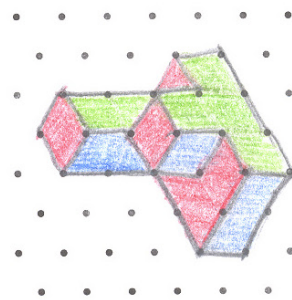
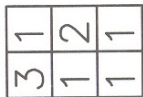
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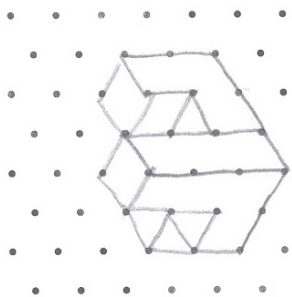
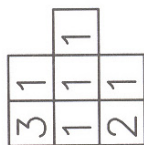
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Sketch the indicated corner view in the space provided.

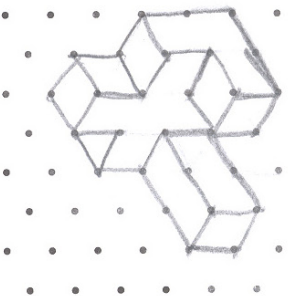
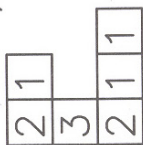
1.



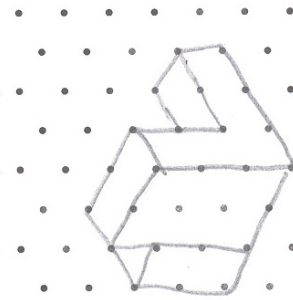
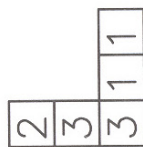
2. X



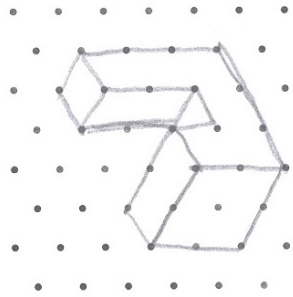
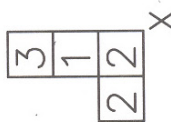
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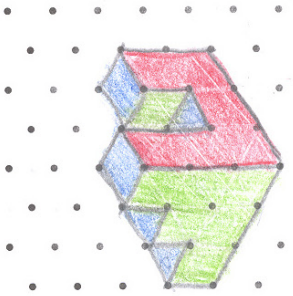
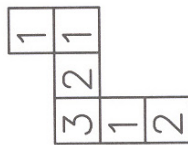
4.



5.



6. X



Name: NIKKI ZELA

Class: Geometry Section:

Introduction to 3-D
Spatial Visualization

Grade: 10

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